



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

The goal of the Collaborative is to leverage federal funds to strategically reduce emissions from the most polluting diesel sources in impacted communities. The Collaborative seeks to improve air quality and public health by targeting the highest polluting engines with the most cost effective control strategies.

2017 Alaska Energy Authority – State Clean Diesel Program

Under the Diesel Emission Reduction Act (DERA) 2017 State Clean Diesel Grant Program, the U.S.EPA West Coast Collaborative awarded the Alaska Energy Authority (AEA) \$335,024 to repower or replace genset units in rural communities.

What is the Project?

The Alaska Energy Authority (AEA) will complete up to four to six repowers and replacements with their award. The repowers and replacements will address antiquated mechanically governed prime power diesel genset engines with newer, more fuel efficient Tier 2 and Tier 3 marine engines that reduce diesel emissions and save fuel.

Why is this project important?

In rural Alaska, communities are not connected to an electric grid and must generate power in their local community. Small diesel power plants are used across the state for this purpose. These plants have at least one diesel engine running continuously. The engines and generators must be absolutely reliable to provide consistent power to the residents to ensure health and welfare. This project will meet the goal of reducing exposure to criteria pollutants, hazardous air pollutants, as well as reducing greenhouse gas emissions, while maintaining the economic vitality of the state.

What are the estimated environmental/economic benefits?

This project will reduce 4.21 tons of PM, 46.4 tons of NOx, 22.83 tons Carbon Monoxide (CO), and 603 tons of Carbon Dioxide (CO2) over the life-time of the engines..

How is this project funded?

This project is funded by EPA and the State Clean Diesel Program.

Who are the partners in this project?

AEA will continue to consult with Alaska Department of Environmental Quality (ADEC) Division on Air Quality to ensure compliance with all applicable emissions regulations. AEA will partner with the Denali Commission to support and expand the reach of the DERA program statewide.

What is the Collaborative?

The West Coast Collaborative is an ambitious partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more about the Collaborative?

For more information, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org.

For more information about this project please contact Debbie Kline at kline.debbie@epa.gov or 206-553-1236.